

***Examiner's Amendment***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert T. Burn on December 6, 2010.

The following changes have been made to the subject application:

In the **Specification**, page 1, please insert the following new paragraph after the Title and before the "Technical Field":

--Related Applications

This application is a 371 of PCT/JP04/13995 filed 09/16/2004, which claims priority under 35 U.S.C. 119 to an application JP 2003-329695 filed on 09/22/2003, the contents of which are incorporated herein by reference--

**In Claims:**

Claims 6, 8 and 9 have been amended as follows:

6. (Currently Amended) An embedded door handle antenna, comprising:

a door handle having a hollow portion therein;

an antenna embedded within the hollow portion of the door handle, the embedded antenna comprising a flexible magnetic core containing a flexible magnetic body made of mechanically soft magnetic material having plasticity and flexibility which is laminated to a coiled wiring layer, around which a coil of an insulation covered conductor is wound;

a pattern wire passing in parallel to a center line of the coil, the pattern wire configured such that linkage with respect to the magnetic flux at the coil is prevented;

a controller formed on a side of a vehicle;  
a ~~communicating communication~~ section connected with the controller; and  
a connector attached to one end of the embedded antenna, the connector facilitating connection of the embedded antenna to a power circuit and the ~~communicating communication~~ section, wherein

the embedded antenna is energized by an action of at least one of a request switch mounted on the flexible magnetic core and a proximity of a keyless entry component;  
the flexible magnetic core is provided with an extending portion which outwardly extends from a coiled section around which the insulation covered conductor is wound,  
and

a light emitting component is mounted on the extending portion wherein the coil section located between the light emitting component and the request switch.

8. (Canceled).

9. (Canceled).

The Examiner's amendment has been made to update related Applications, clarify the claimed languages and overcome the cited art of record in order to place the application in a condition for allowance.

### ***Reasons for Allowance***

1. Claims 6, 7 and 10 are presently allowed.
2. The following is an examiner's statement of reasons for allowance:

The cited art of record teach an embedded door handle antenna comprising a door handle having a hollow portion therein; an antenna embedded within the hollow portion of the door handle comprising a flexible magnetic core containing a flexible magnetic body made of mechanically soft magnetic material, a coil of an insulation covered conductor, a pattern wire

passing in parallel to a center line of the coil, a controller, a communication section, a connector, a request switch and the magnetic core having an extending portion. However, the cited art of record fails to teach the request switch mounted on the flexible magnetic core, and a light emitting component is mounted on the extending portion of the flexible magnetic core wherein the coil section located between the light emitting component and the request switch mounted on the flexible magnetic core as defined in claim 6.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Inquiry***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trinh Vo Dinh whose telephone number is (571) 272-1821 and email address is [trinh.dinh@uspto.gov](mailto:trinh.dinh@uspto.gov). The examiner can normally be reached on IFW (Increase Flexible Work). The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens, can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*December 06, 2010*

*/Trinh Vo Dinh/*

*Primary Examiner, Art Unit 2821*